

AP 22

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Kie Y. Ahn et al.

Title: LANTHANIDE DOPED TiO_x DIELECTRIC FILMS

Docket No.: 1303.070US2

Filed: February 27, 2004

Examiner: Douglas M. Menz



Serial No.: 10/789,044

Due Date: November 13, 2006

Group Art Unit: 2891

MS AF

Commissioner for Patents

P.O. Box 1450

Alexandria, VA 22313-1450

We are transmitting herewith the following attached items (as indicated with an "X"):

- ☒ Return postcard.
- ☒ Amendment and Response Under 37 CFR 1.116 (11 pgs.).
- ☒ Communication Concerning Related Applications (2 pgs.).

If not provided for in a separate paper filed herewith, Please consider this a **PETITION FOR EXTENSION OF TIME** for sufficient number of months to enter these papers and please charge any additional fees or credit overpayment to Deposit Account No. 19-0743.

SCHWEGMAN, LUNDBERG, WOESSNER & KLUTH, P.A.
Customer Number 21186

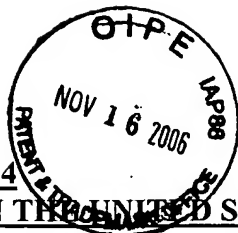
By: David R. Cochran
Atty: David R. Cochran
Reg. No. 46,632

CERTIFICATE UNDER 37 CFR 1.8: The undersigned hereby certifies that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail, in an envelope addressed to: MS AF, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on this 13 day of November, 2006.

Lisa Rosonke
Name

Lisa Rosonke
Signature

SCHWEGMAN, LUNDBERG, WOESSNER & KLUTH, P.A.
(GENERAL)



S/N 10/789,044

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Kie Y. Ahn et al.

Examiner: Douglas M. Menz

Serial No.: 10/789,044

Group Art Unit: 2891

Filed: February 27, 2004

Docket: 1303.070US2

Title: LANTHANIDE DOPED TIOX DIELECTRIC FILMS

COMMUNICATION CONCERNING RELATED APPLICATIONS

MS AF

Commissioner for Patents

P.O. Box 1450

Alexandria, VA 22313-1450

Applicants would like to bring to the Examiner's attention the following related application(s) in the above-identified patent application:

<u>Serial/Patent No.</u>	<u>Filing Date/Issue Date</u>	<u>Attorney Docket</u>	<u>Title</u>
09780126 6566682	February 9, 2001	1303.008US1	PROGRAMMABLE MEMORY ADDRESS AND DECODE CIRCUITS WITH ULTRA THIN VERTICAL BODY TRANSISTORS
10209581 6921702	July 30, 2002	1303.061US1	ATOMIC LAYER DEPOSITED NANOLAMINATES OF HfO ₂ /ZrO ₂ FILMS AS GATE DIELECTRICS
10443021 6970053	May 22, 2003	1303.137US1	ATOMIC LAYER DEPOSITION (ALD) HIGH PERMEABILITY LAYERED MAGNETIC FILMS TO REDUCE NOISE IN HIGH SPEED INTERCONNECTION
11140643	May 27, 2005	1303.141US1	HAFNIUM TITANIUM OXIDE FILMS
11152759	June 14, 2005	1303.144US1	IRIDIUM / ZIRCONIUM OXIDE STRUCTURE
11148505	June 9, 2005	1303.061US2	ATOMIC LAYER DEPOSITED NANOLAMINATES OF HfO ₂ /ZrO ₂ FILMS AS GATE DIELECTRICS
11216958	August 31, 2005	1303.150US1	COBALT TITANIUM OXIDE DIELECTRIC FILMS
11216474	August 31, 2005	1303.152US1	LANTHANUM ALUMINUM OXYNITRIDE DIELECTRIC FILMS
11215578	August 29, 2005	1303.154US1	ZIRCONIUM-DOPED GADOLINIUM OXIDE FILMS

COMMUNICATION CONCERNING RELATED APPLICATIONS

Serial Number: 10/789,044

Filing Date: February 27, 2004

Title: LANTHANIDE DOPED TiOX DIELECTRIC FILMS

Page 2

Dkt: 1303.070US2

11459792	July 25, 2006	1303.092US2	ZrAlxOy DIELECTRIC LAYERS
11297741	December 8, 2005	1303.161US1	HAFNIUM TANTALUM TITANIUM OXIDE FILMS
11427569	June 29, 2006	1303.079US2	LANTHANIDE DOPED TiOX DIELECTRIC FILMS
11493074	July 26, 2006	1303.101US3	LANTHANIDE OXIDE / HAFNIUM OXIDE DIELECTRIC LAYERS
11493112	July 26, 2006	1303.114US2	ZIRCONIUM-DOPED TANTALUM OXIDE FILMS
11457978	July 17, 2006	1303.061US4	ATOMIC LAYER DEPOSITED NANOLAMINATES OF HfO2/ZrO2 FILMS AS GATE DIELECTRICS
11457987	July 17, 2006	1303.061US5	ATOMIC LAYER DEPOSITED NANOLAMINATES OF Hf O2/ZrO2 FILMS AS GATE DIELECTRICS
11584229	October 20, 2006	1303.126US2	LANTHANUM HAFNIUM OXIDE DIELECTRICS

Continuations and divisionals may be later filed on the cases listed above, or cited to the Examiner in any previous Communication Concerning Related Applications. Applicants request that the Examiner review all continuations and divisionals of the above-listed or previously-cited patent applications before allowing the claims of the present patent application.

Respectfully submitted,
KIE Y. AHN ET AL.

By Applicants' Representatives,
SCHWEGMAN, LUNDBERG, WOESSNER & KLUTH, P.A.
P.O. Box 2938
Minneapolis, MN 55402
(612) 371-2157

Date

13 November 2006

By

David R. Cochran
Reg. No. 46,632



CERTIFICATE UNDER 37 CFR 1.8: The undersigned hereby certifies that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail, in an envelope addressed to: MS Amendment, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on this 13 day of November, 2006.

Lisa Rosende
Name

Lisa Rosende
Signature